

Fig. 1

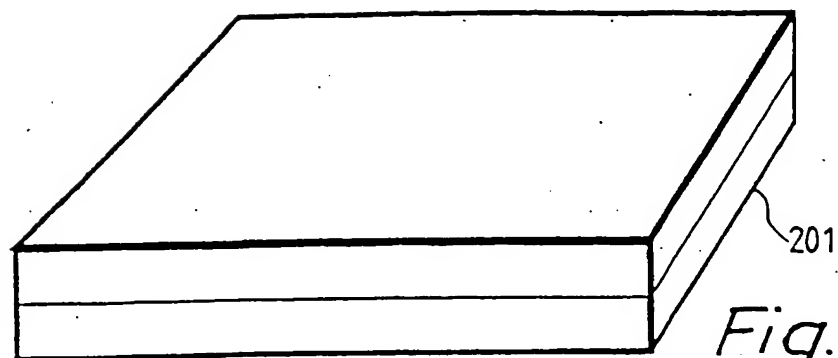


Fig. 2a

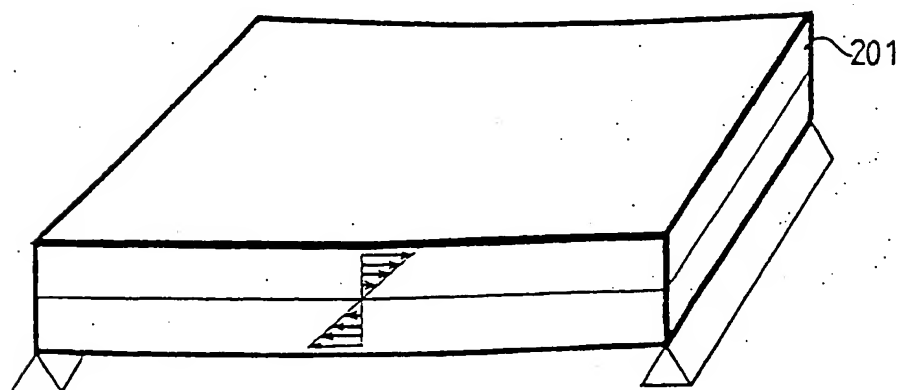


Fig. 2b

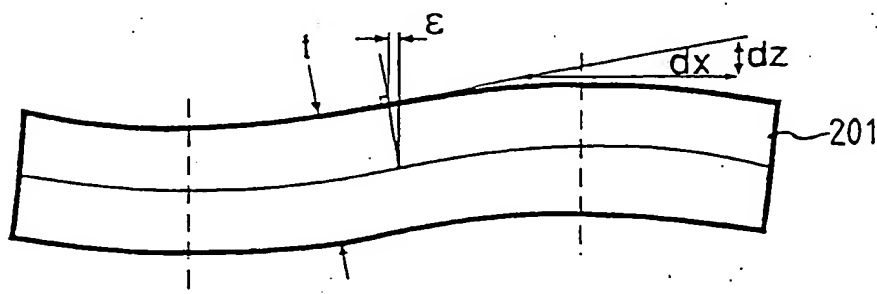


Fig. 2c

Glass plate supported on two sides

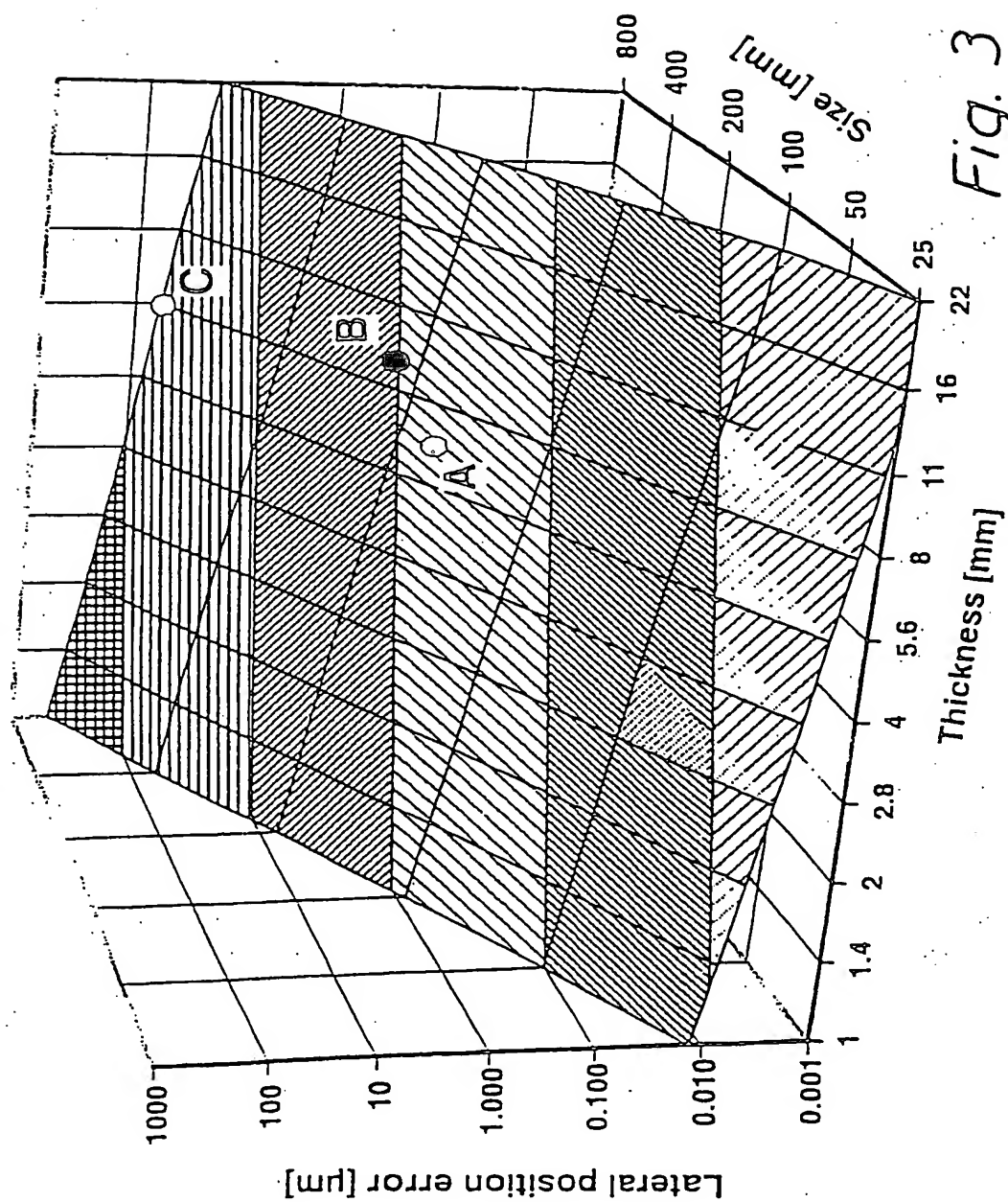


Fig. 3

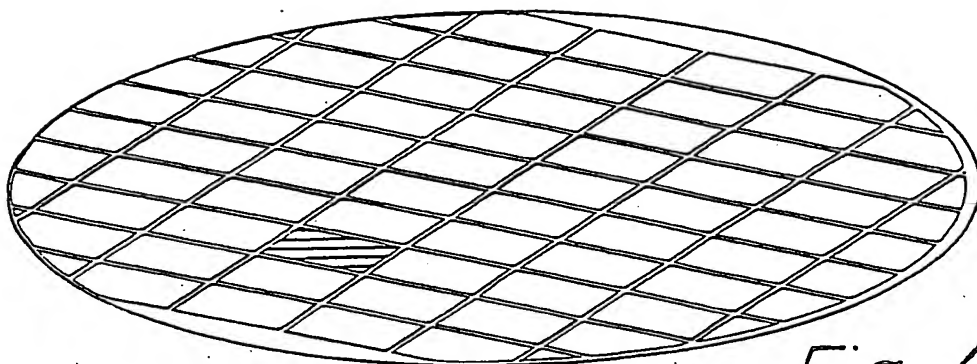


Fig. 4a

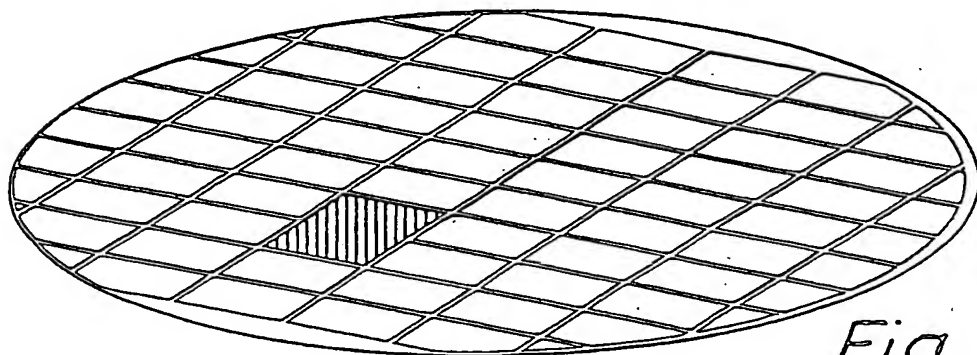


Fig. 4b

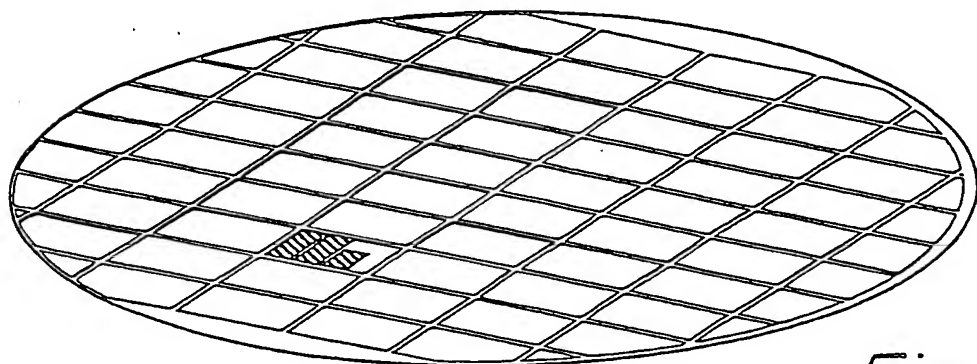


Fig. 4c

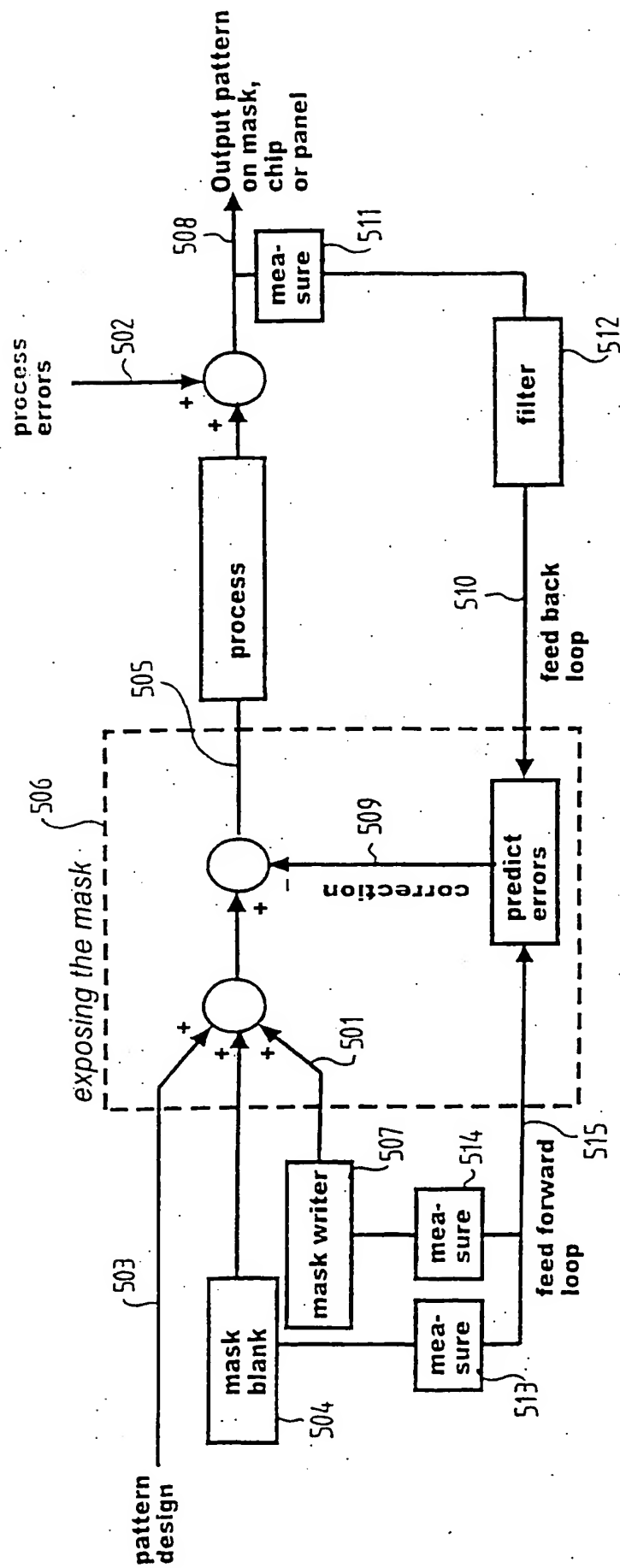


Fig. 5

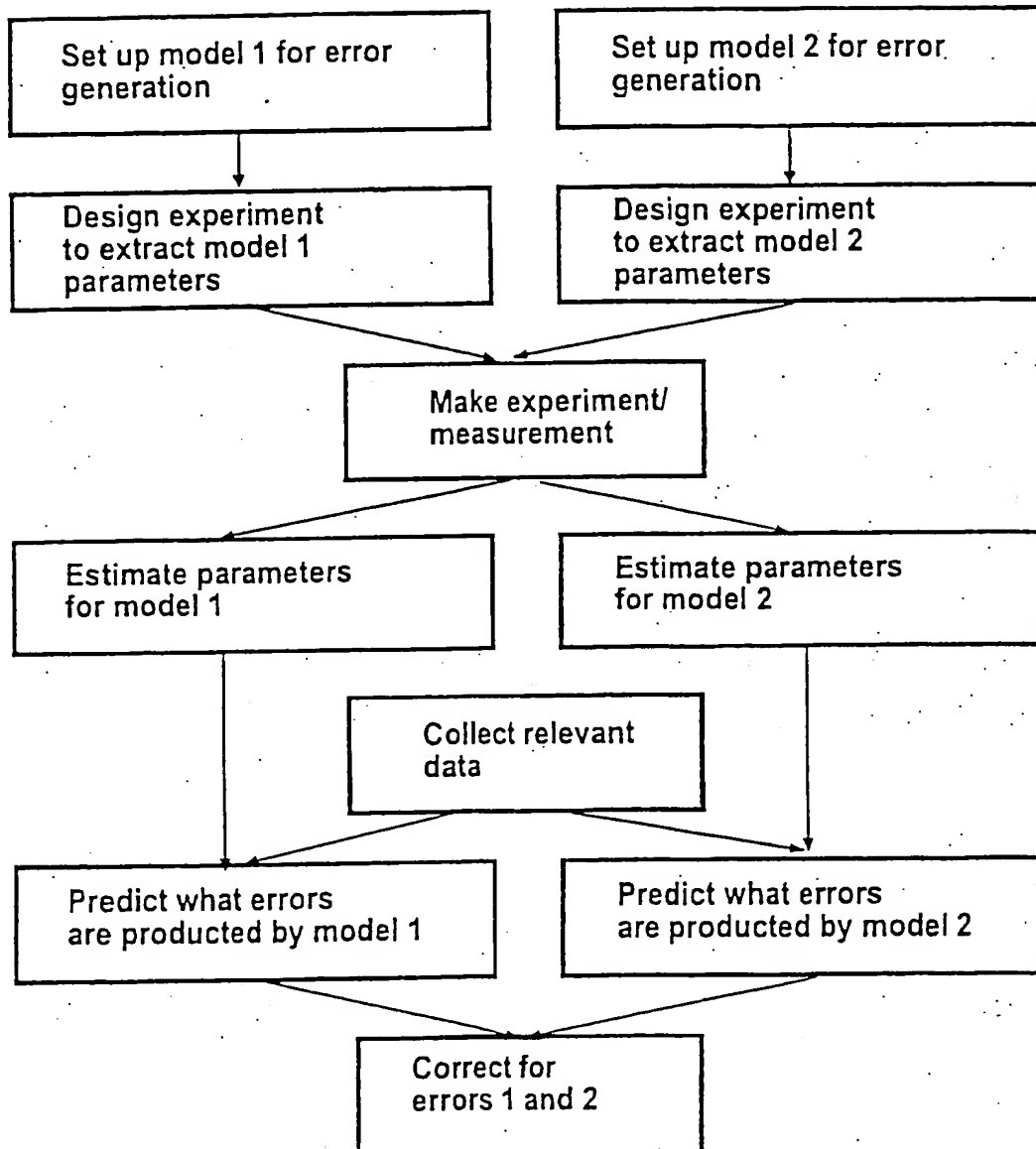


Fig. 6

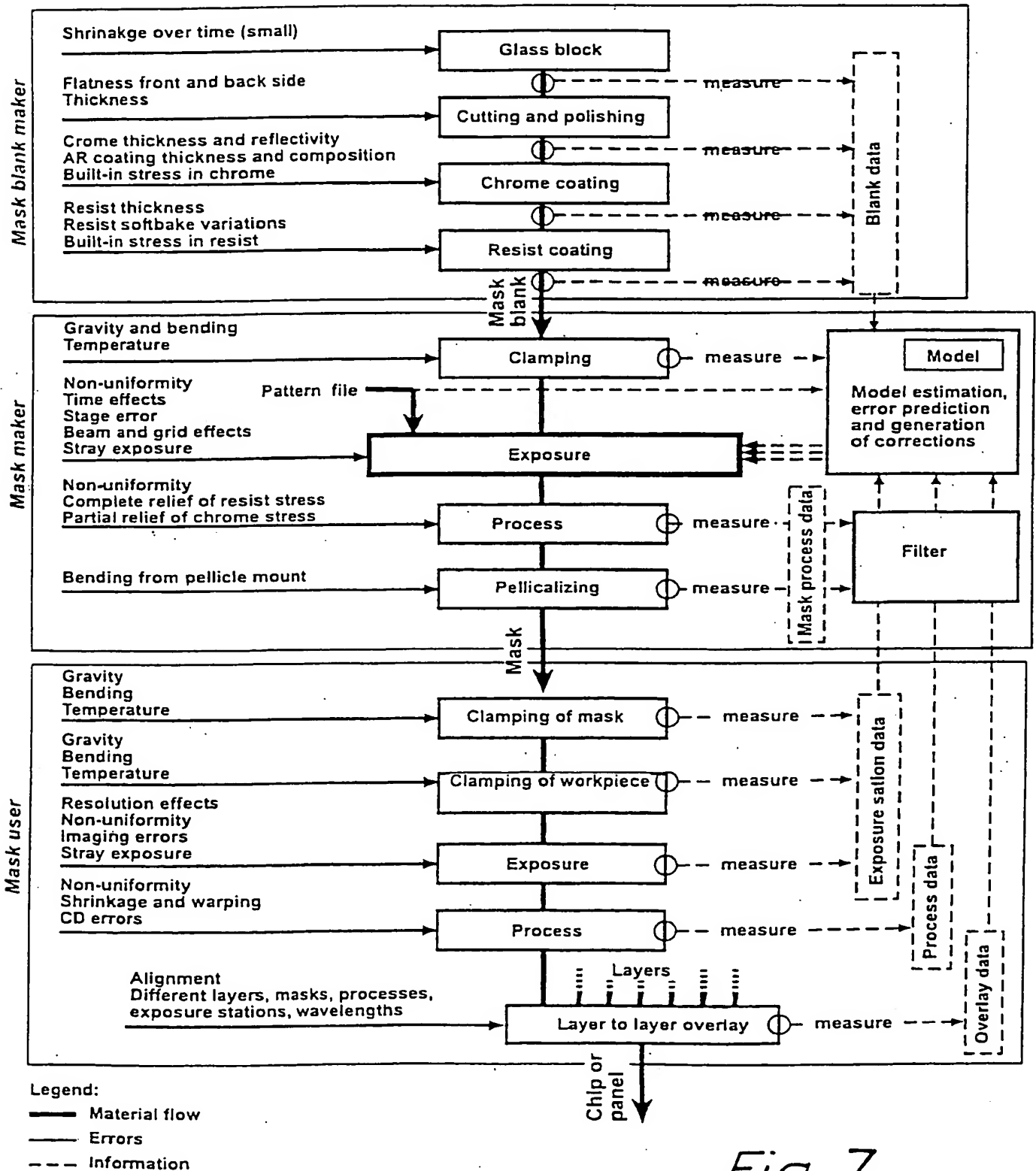
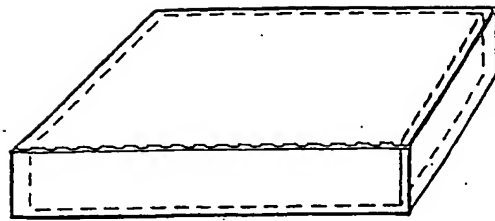
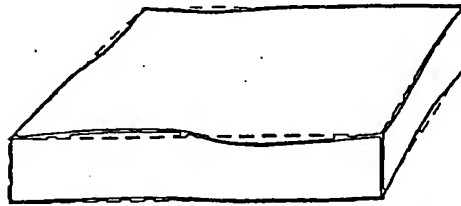


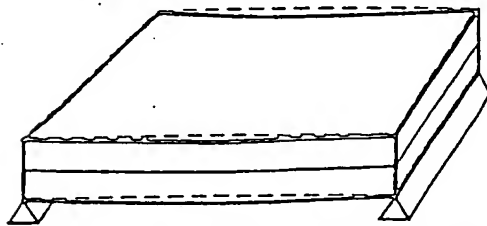
Fig. 7



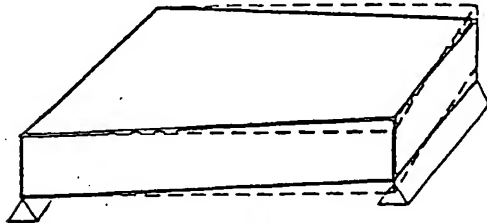
Isotropic Expansion:
Temperature, aging



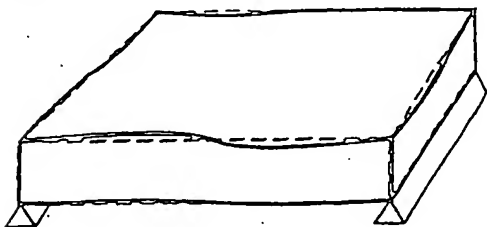
Built-in shape:
follows the plate



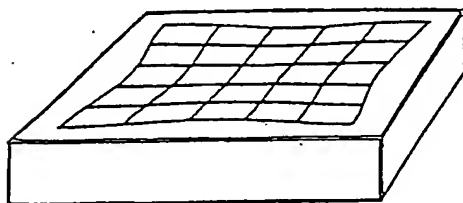
Gravitational sag:
follows the type of
clamping



Clamping errors:
Follows particular
piece of equipment



Shape-clamping
interaction:
non-linear cross
term



Coordinate errors:
Follows particular
piece of equipment

Fig. 8

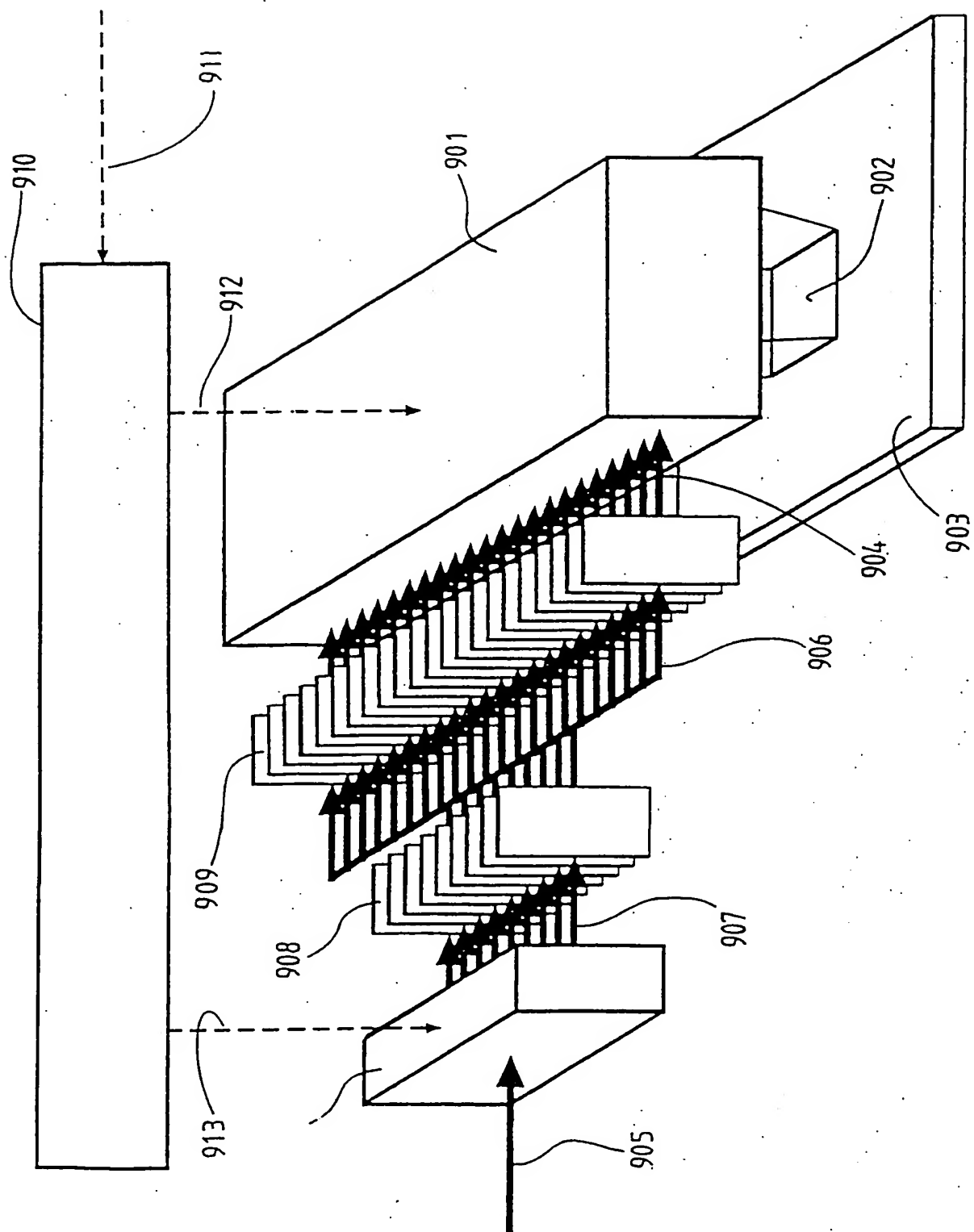


Fig. 9

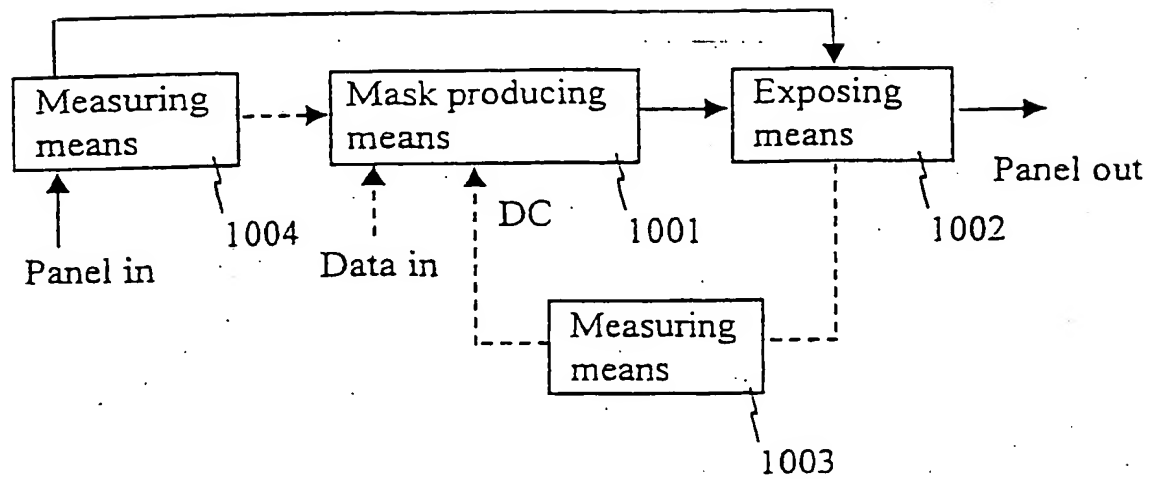


Fig 10

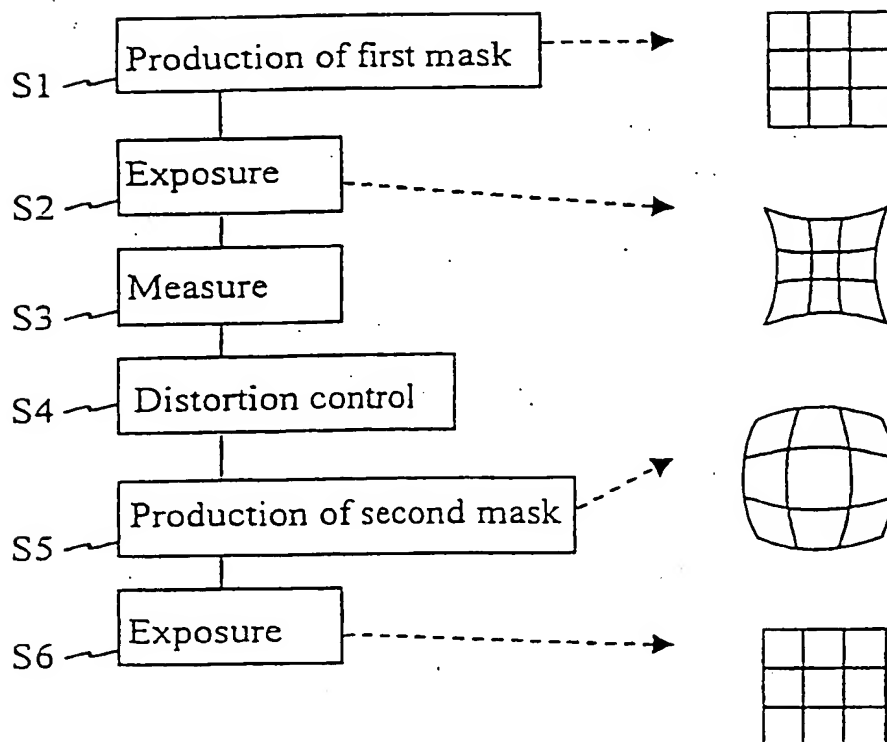
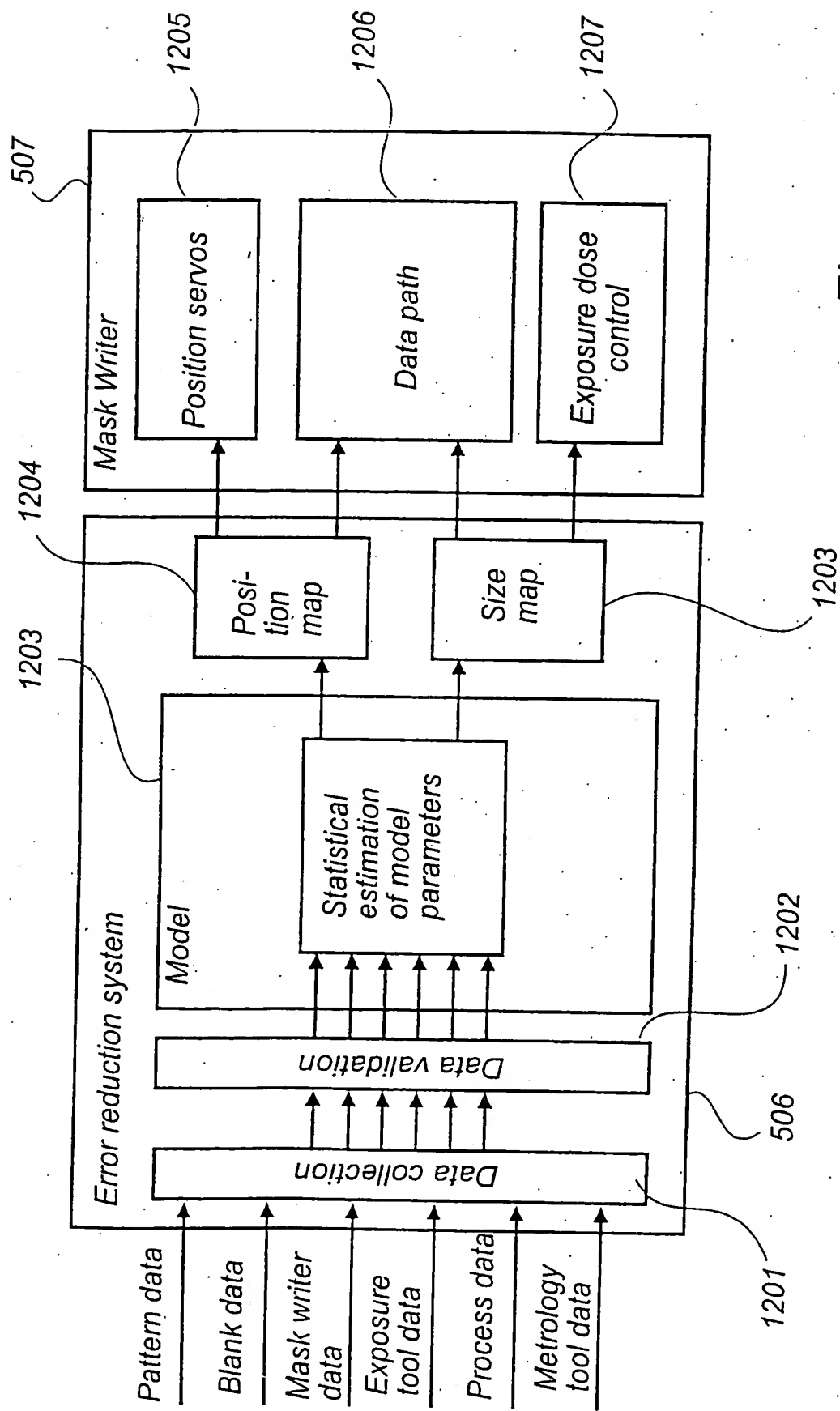


Fig 11



Dose (x,y)

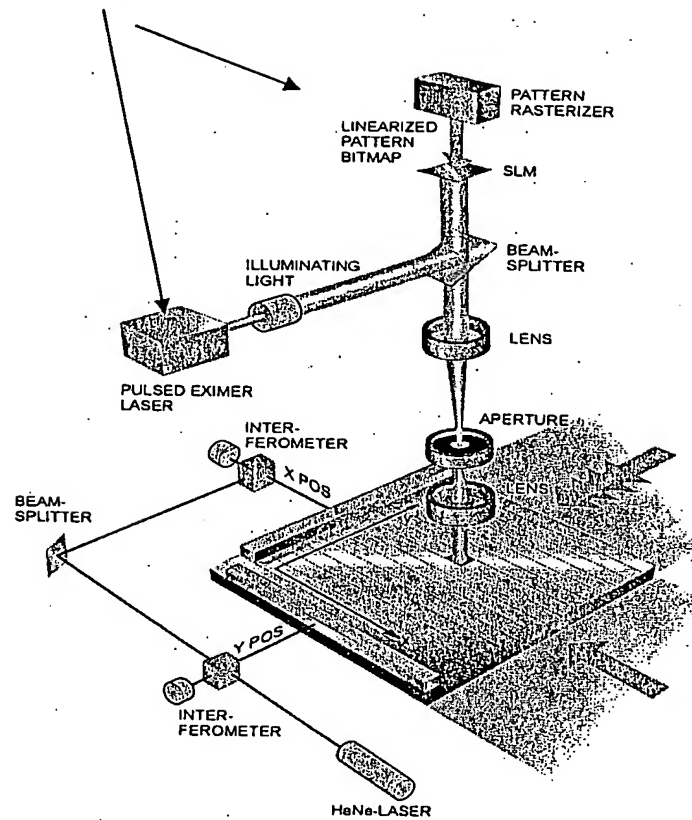
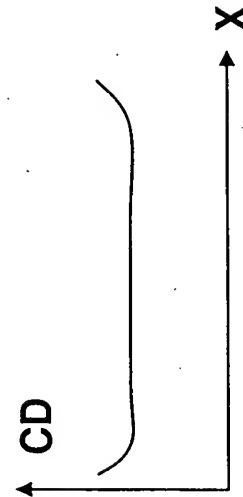
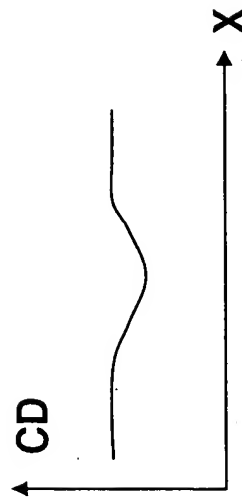
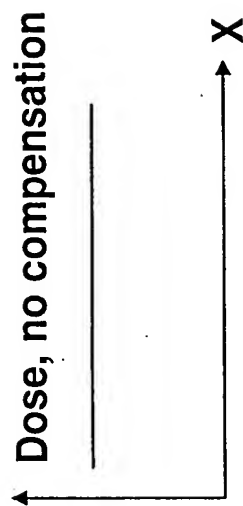
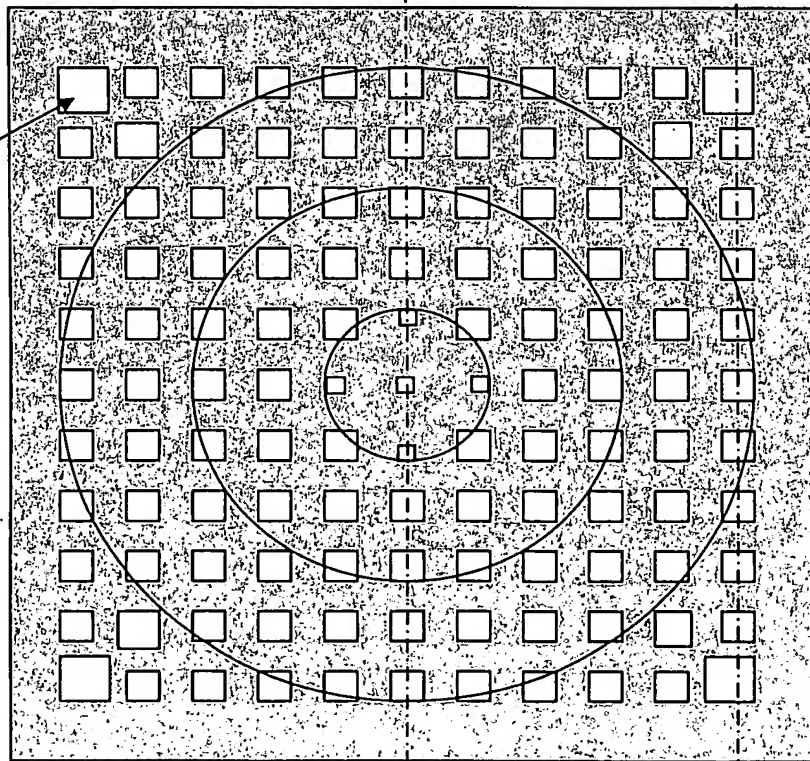


Fig. 13

6" Mask
Size corresponding
to CD deviation



CD profile at two locations on plate

Fig. 148

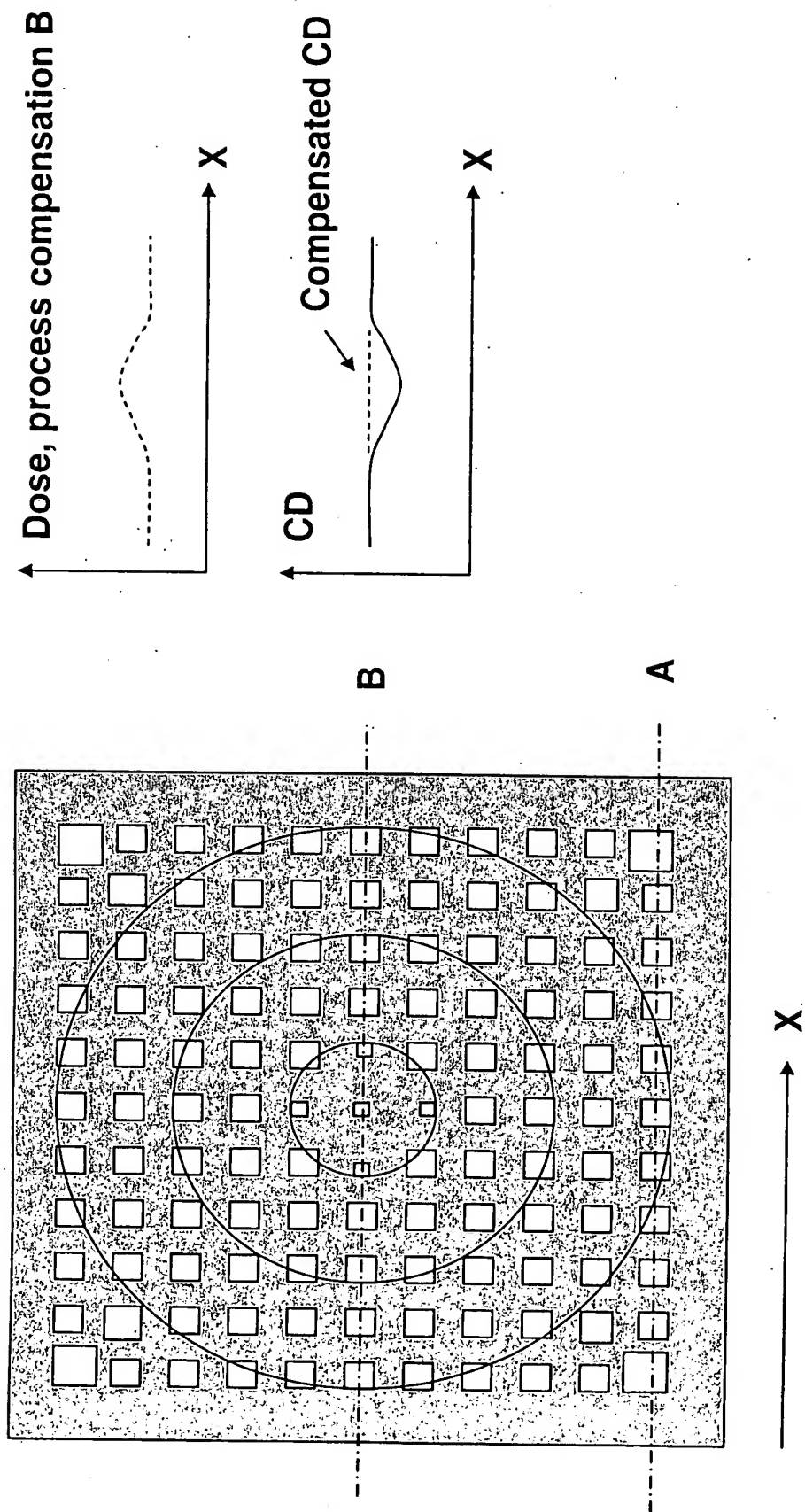


Fig. 14b

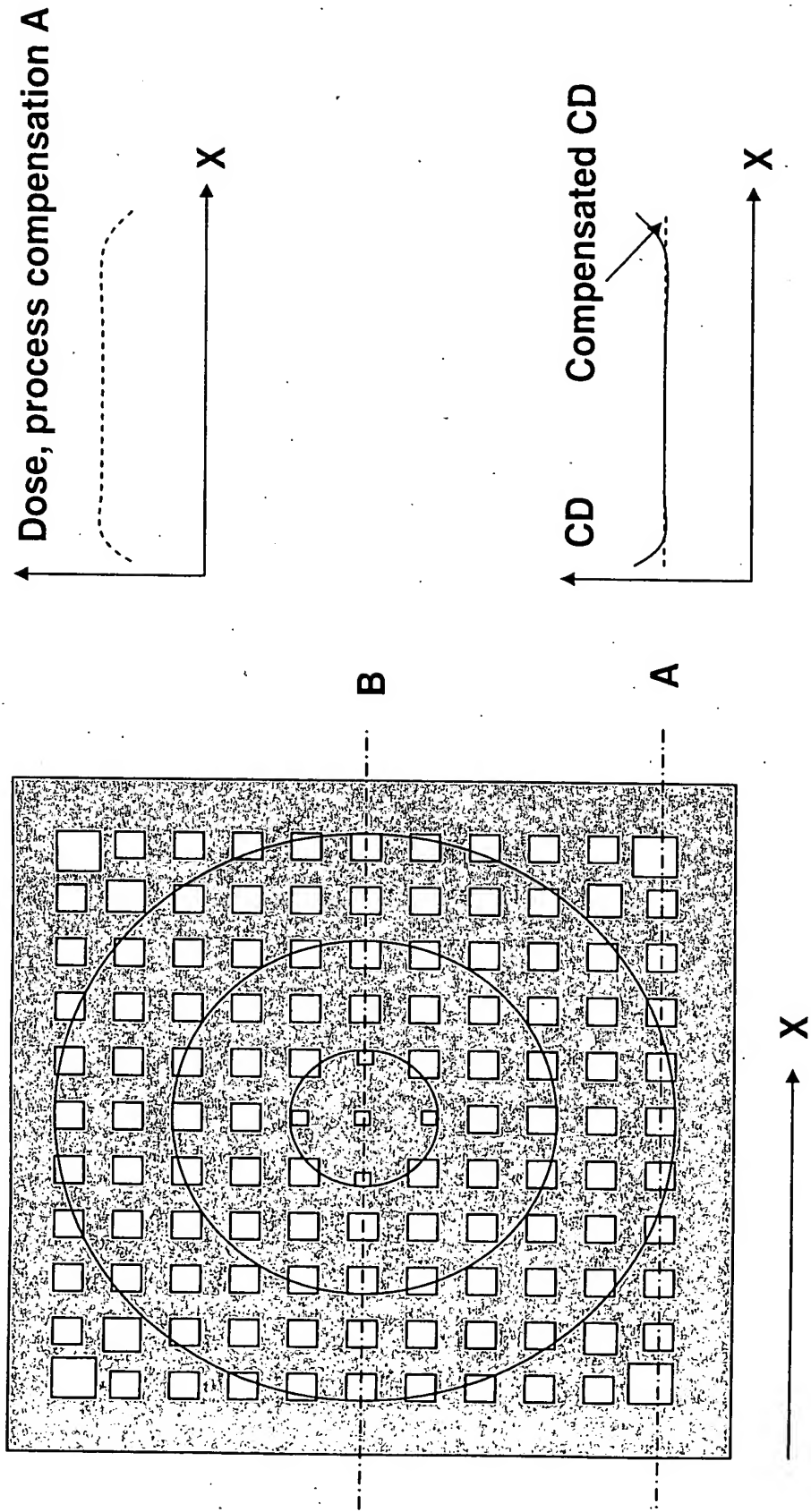
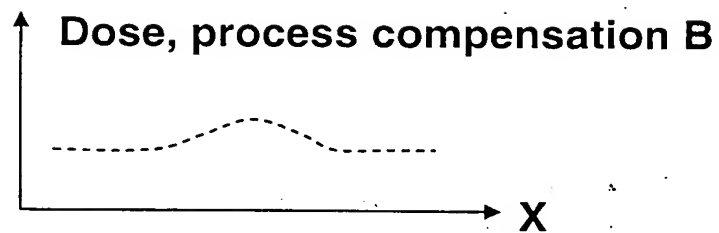


Fig. 14c



dose is a function of (x,y) position on plate.

Fig. 14d